Attorney Docket: 2684/103

Customizable Computer System

Abstract

A customizable computing system, having a microprocessor and a programmable

5   logic device coupled to the microprocessor via a dedicated bus. The programmable logic

device includes a configuration to provide I/O functionality to the system and may be a

field programmable gate array. The programmable logic device operates as both a north

bridge and a south bridge as is understood by those of ordinary skill in the art. Requests

are received from the microprocessor in the programmable logic device over the

10   dedicated bus and are processor specific requests. The processor specific requests are

translated into processor dependent commands by a bridge. After the processor specific

requests are translated into processor dependent commands, the commands are forwarded

to processor independent I/O structures which interface with both internal and external

peripheral devices to the customizable computing system.

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